BRUHATH BANGALORE MAHANAGARA PALIKE

Name of the Agency	:	**Mr. K. Shivakumar,** Contractor, Bangalore.
Name of the Work	:	Providing and laying HDPE Water line in Muthyalanagara Block - 3 in J P Park, Ward No.17, BBMP, Bangalore.
Estimate Cost	:	Rs.

QUALITY CONTROL REPORTS TO

Asst. Executive Engineer,
Yeshwanthapura Sub Division,
BBMP, Bangalore.

CIVIL-TECH CONSULTANTS & ENGINEERS

Building & Highway Material Testing Laboratory
NABL ACCREDITED LABORATOTY AS PER ISO / IEC – 17025:2005
No.23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagar, Bangalore – 560 079.

QUALITY CONTROL REPORTS FOR

WET MIX MACADAM (WMM)

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.17/KS/WMM/Gradation/2014-15

16.04.2014

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.

Agency : **Mr. K. Shivakumar,** Contractor, Bangalore.

Name of Work : Providing and laying HDPE Water line in Muthyalanagara Block - 3 in J P Park, Ward No.17, BBMP, Bangalore.

Reference : EE/RRND/Wo.No/236/2013-14 Dated: 07.02.2014

Date of Testing : 16.04.2014

Material : WMM

Sample Location : WMM Mix Plant

Oven Dry Wt (gm): **8315**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	215	215	2.6	97.4	95-100
22.4	2510	2725	32.8	67.2	60-80
11.2	1290	4015	48.3	51.7	40-60
4.75	1210	5225	62.8	37.2	25-40
2.36	990	6215	74.7	25.3	15-30
0.600	915	7130	85.7	14.3	8-22
0.075	900	8030	96.6	3.4	0-8

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Civil-Tech Consultants & Engineers Bangalore

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4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

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GRADATION FOR WMM
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Agency : **Mr. K. Shivakumar,** Contractor, Bangalore.

Name of Work : Providing and laying HDPE Water line in Muthyalanagara Block - 3 in J P Park, Ward No.17, BBMP, Bangalore.

Reference : EE/RRND/Wo.No/236/2013-14 Dated: 07.02.2014

Date of Testing : 16.04.2014

Material : WMM

Sample Location : WMM Mix Plant

Oven Dry Wt (gm): **8080**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	265	265	3.3	96.7	95-100
22.4	2490	2755	34.1	65.9	60-80
11.2	1285	4040	50.0	50.0	40-60
4.75	1105	5145	63.7	36.3	25-40
2.36	1005	6150	76.1	23.9	15-30
0.600	925	7075	87.6	12.4	8-22
0.075	725	7800	96.5	3.5	0-8

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Reference : EE/RRND/Wo.No/236/2013-14 Dated: 07.02.2014

Date of Testing : 16.04.2014

Material : WMM

Sample Location : WMM Mix Plant

Oven Dry Wt (gm): **8830**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	185	185	2.1	97.9	95-100
22.4	2650	2835	32.1	67.9	60-80
11.2	1525	4360	49.4	50.6	40-60
4.75	1290	5650	64.0	36.0	25-40
2.36	1050	6700	75.9	24.1	15-30
0.600	980	7680	87.0	13.0	8-22
0.075	800	8480	96.0	4.0	0-8

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